

FIG. 1(C)

FIG. 1(A)

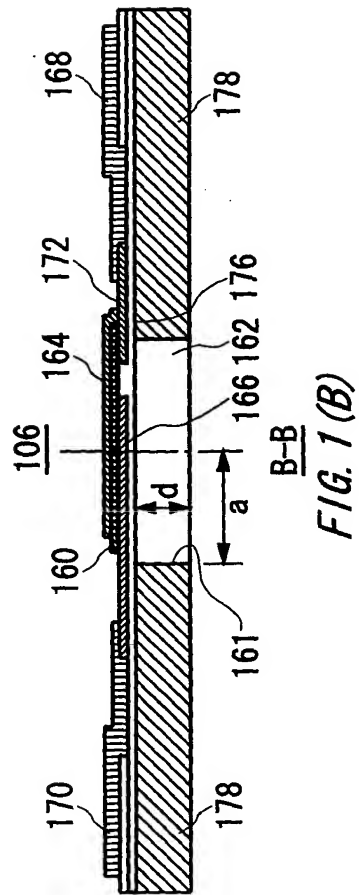


FIG. 1(B)

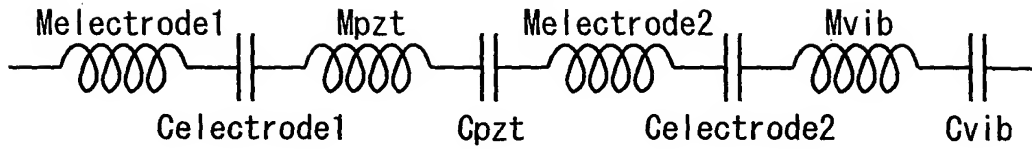


FIG. 2(A)

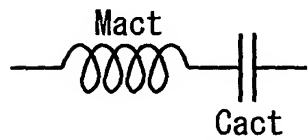


FIG. 2(B)

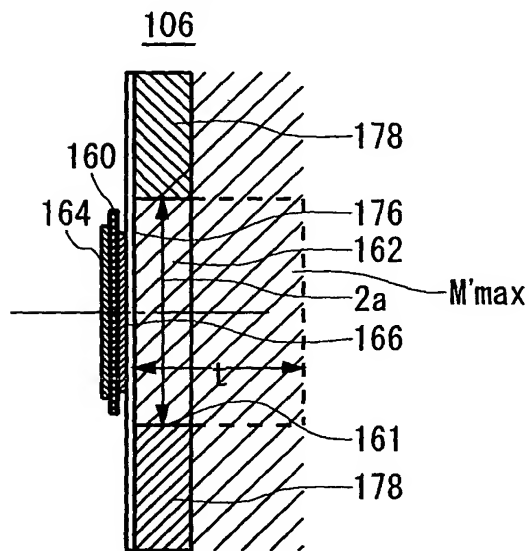


FIG. 2(C)

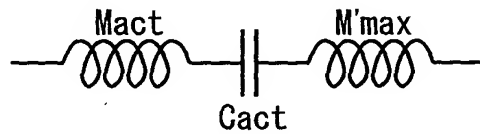


FIG. 2(D)

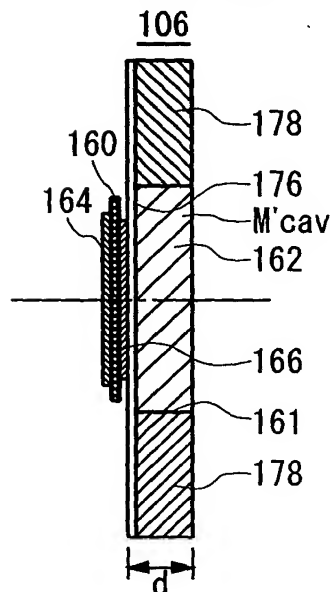


FIG. 2(E)

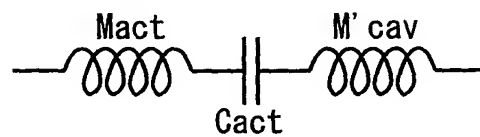


FIG. 2(F)

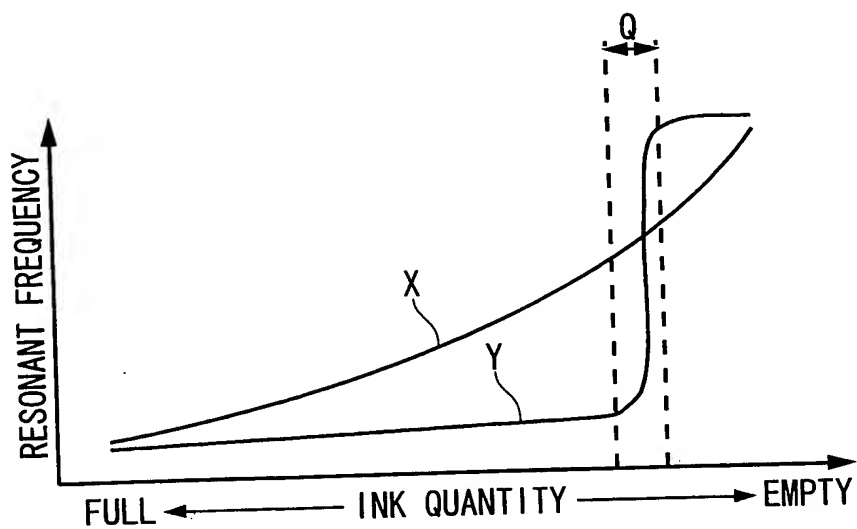


FIG. 3(A)

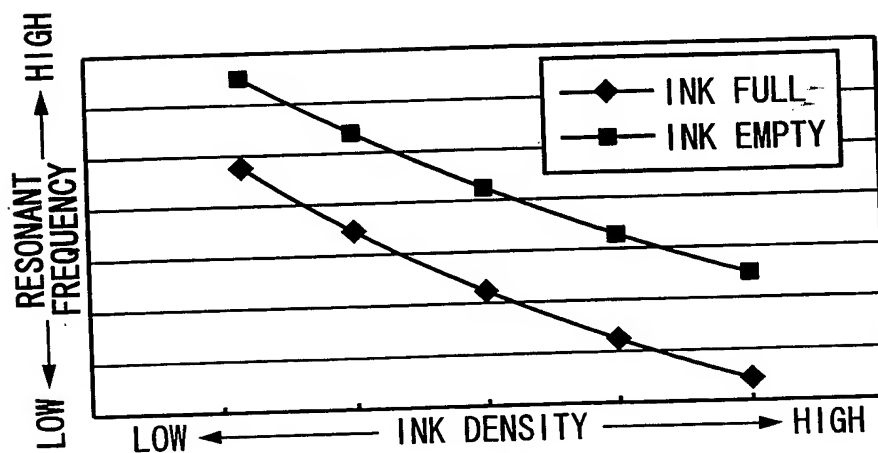


FIG. 3(B)

	A	B	C
PRIMARY MODE RESONANT FREQUENCY	200	100	300
SECONDARY MODE RESONANT FREQUENCY	500	400	600
CHARACTERISTIC PATTERN OF THE INK CARTRIDGE HAVING EACH RESIDUAL QUANTITY OF INK	200:500	100:400	300:600

FIG. 4

5/35

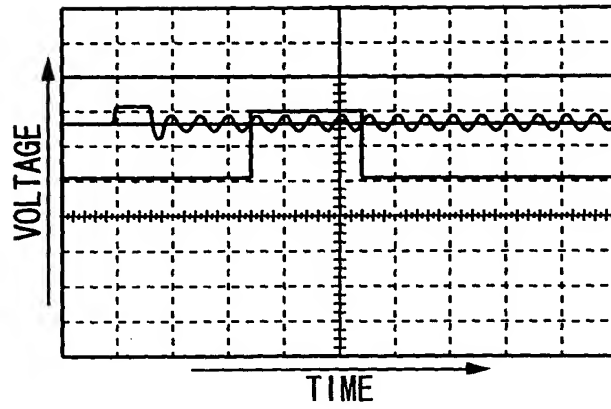


FIG. 5(A)

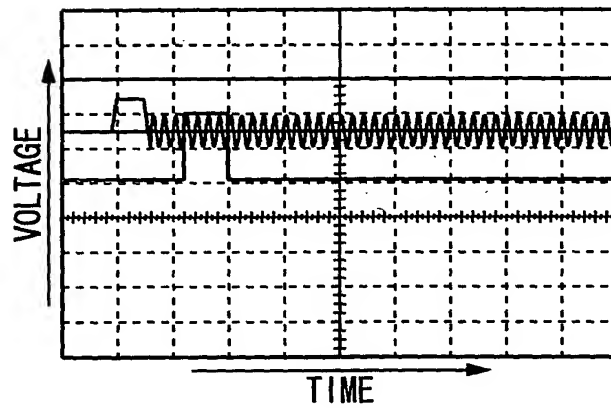


FIG. 5(B)

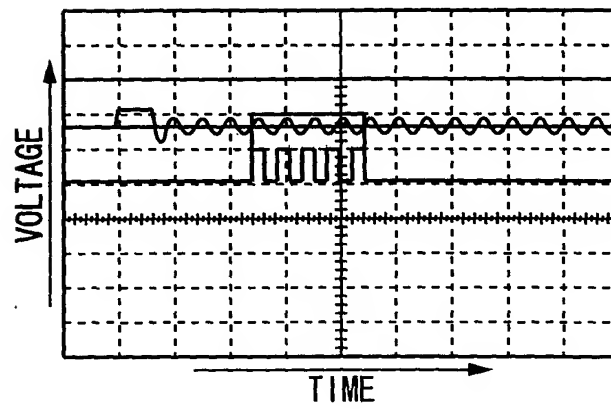


FIG. 5(C)

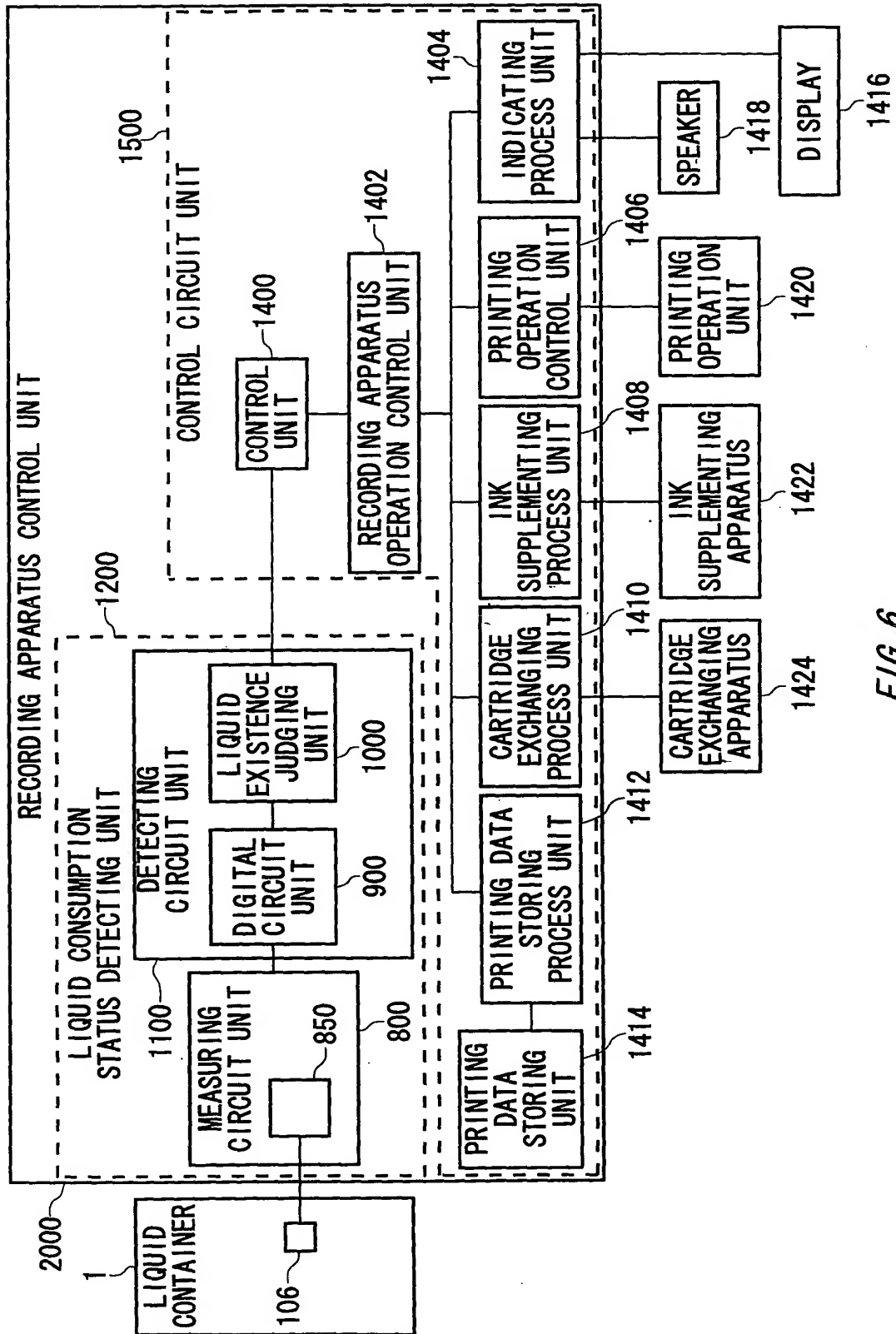


FIG. 6

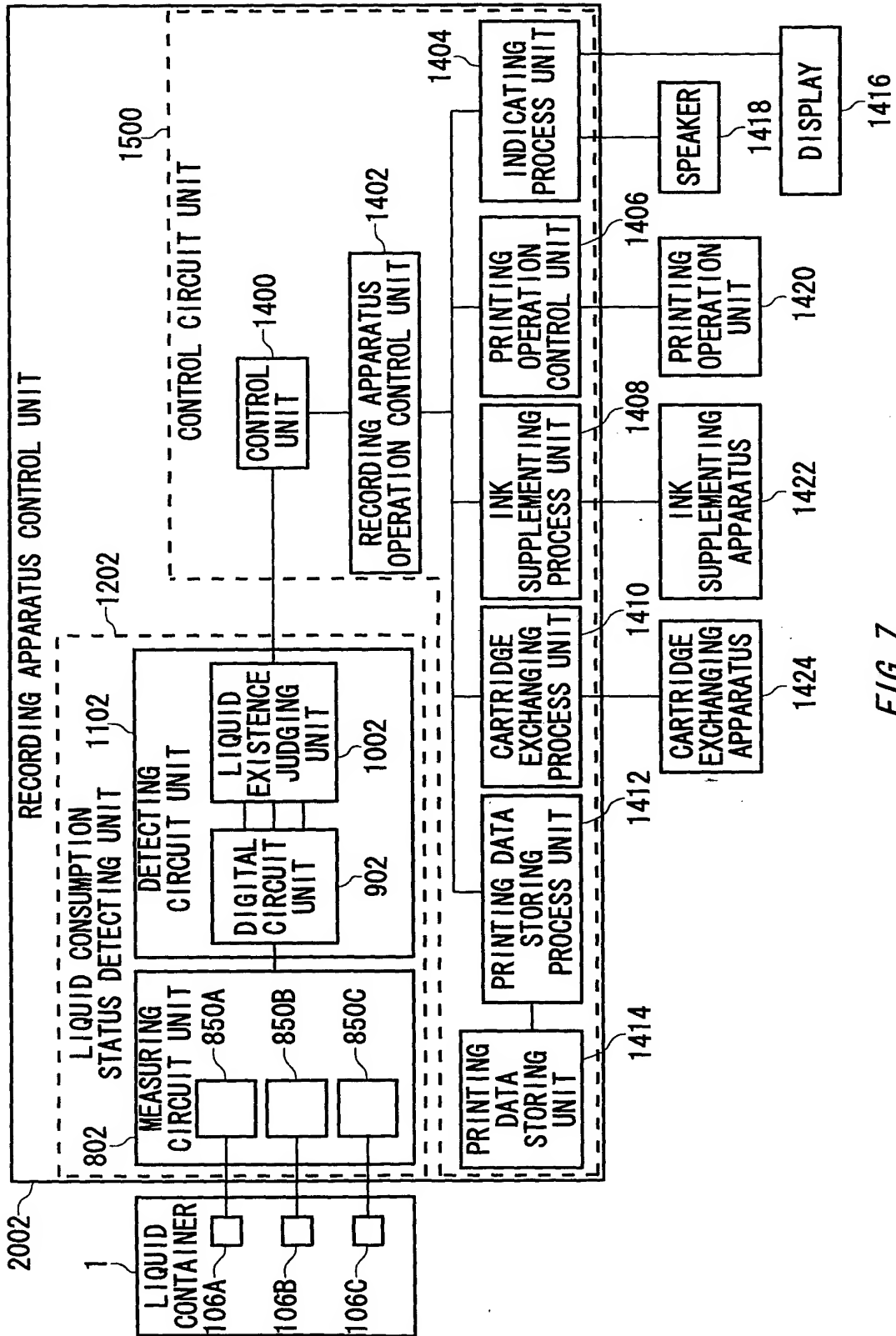


FIG. 7

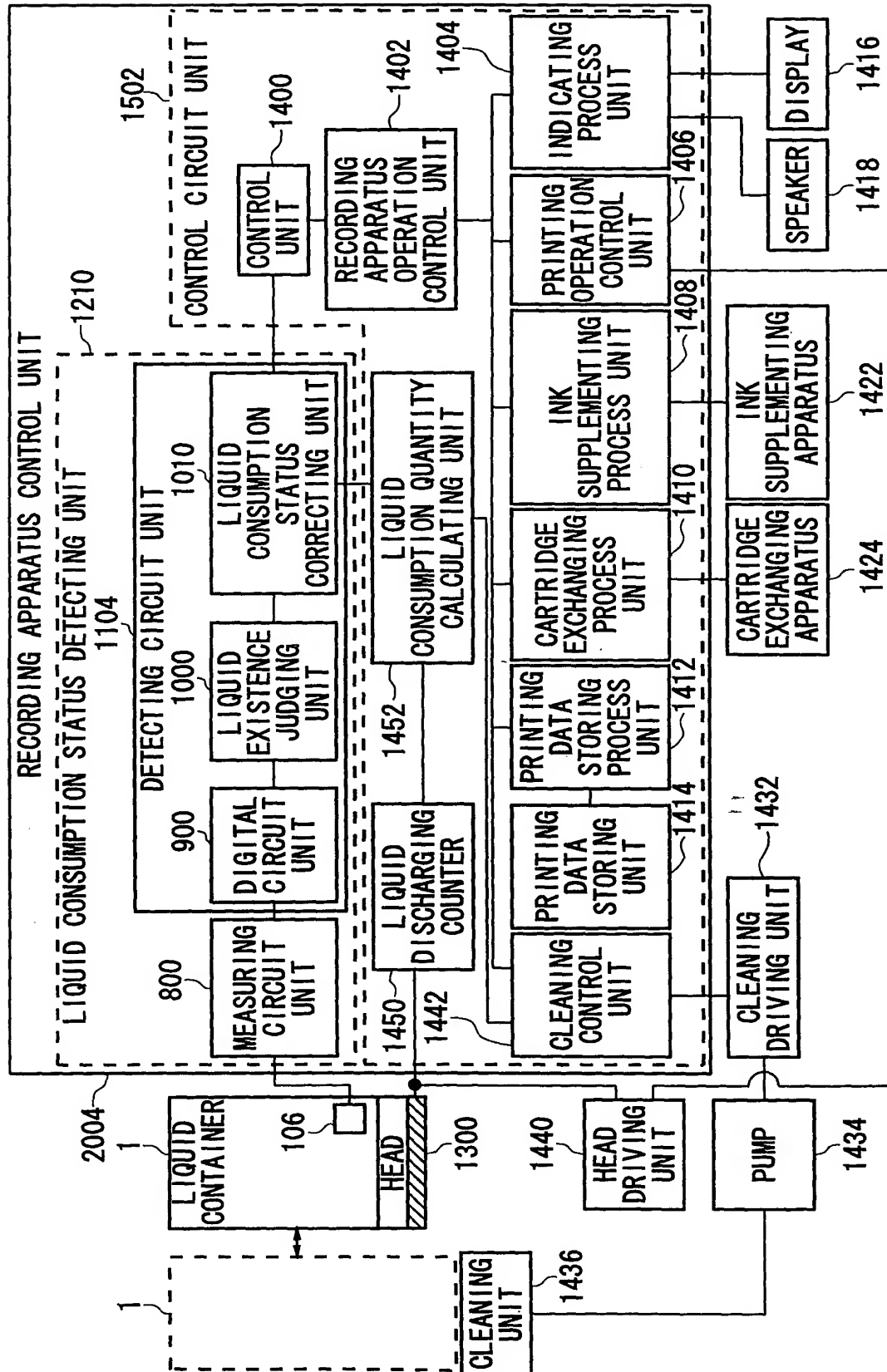


FIG. 8

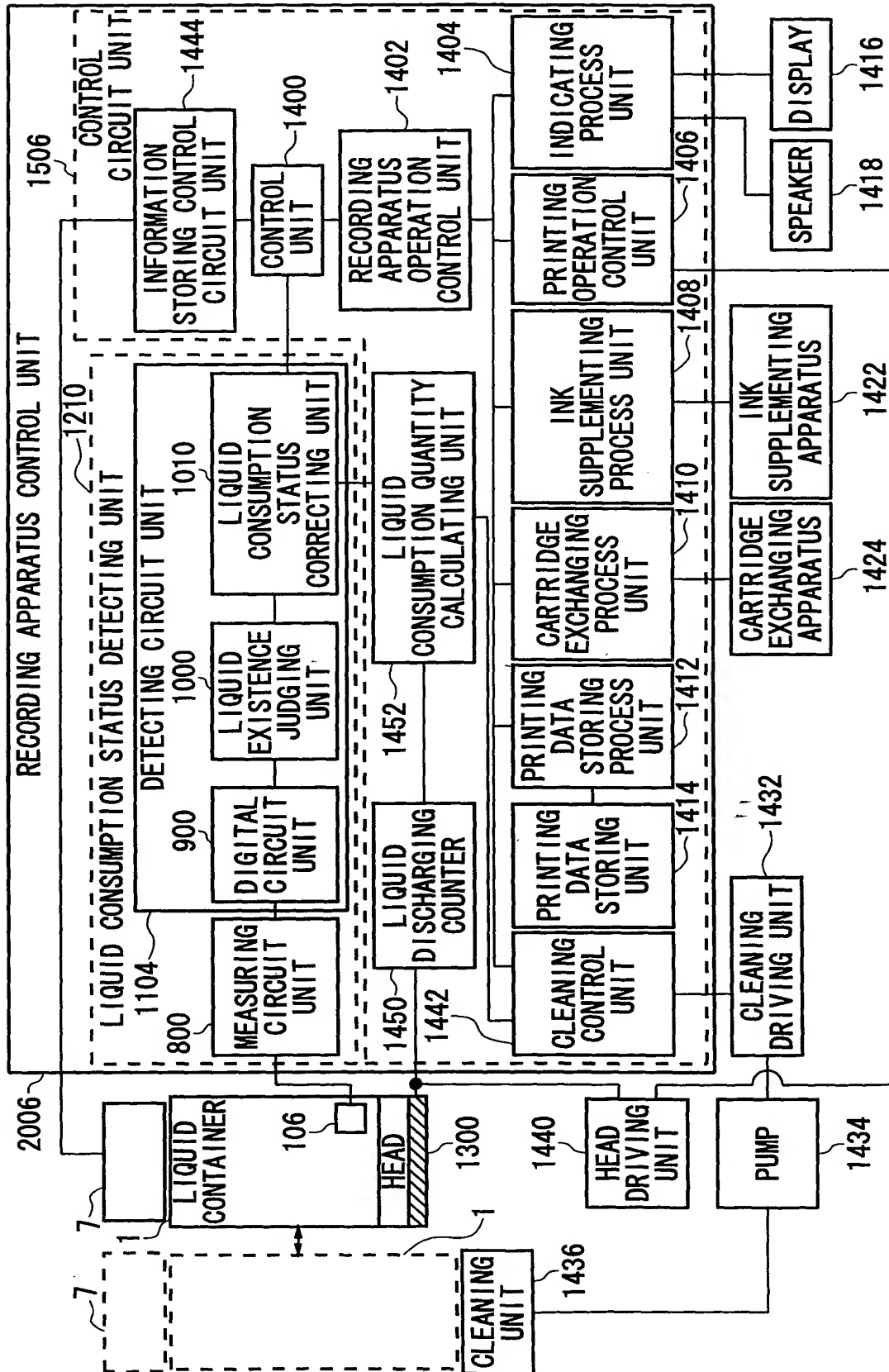


FIG. 9

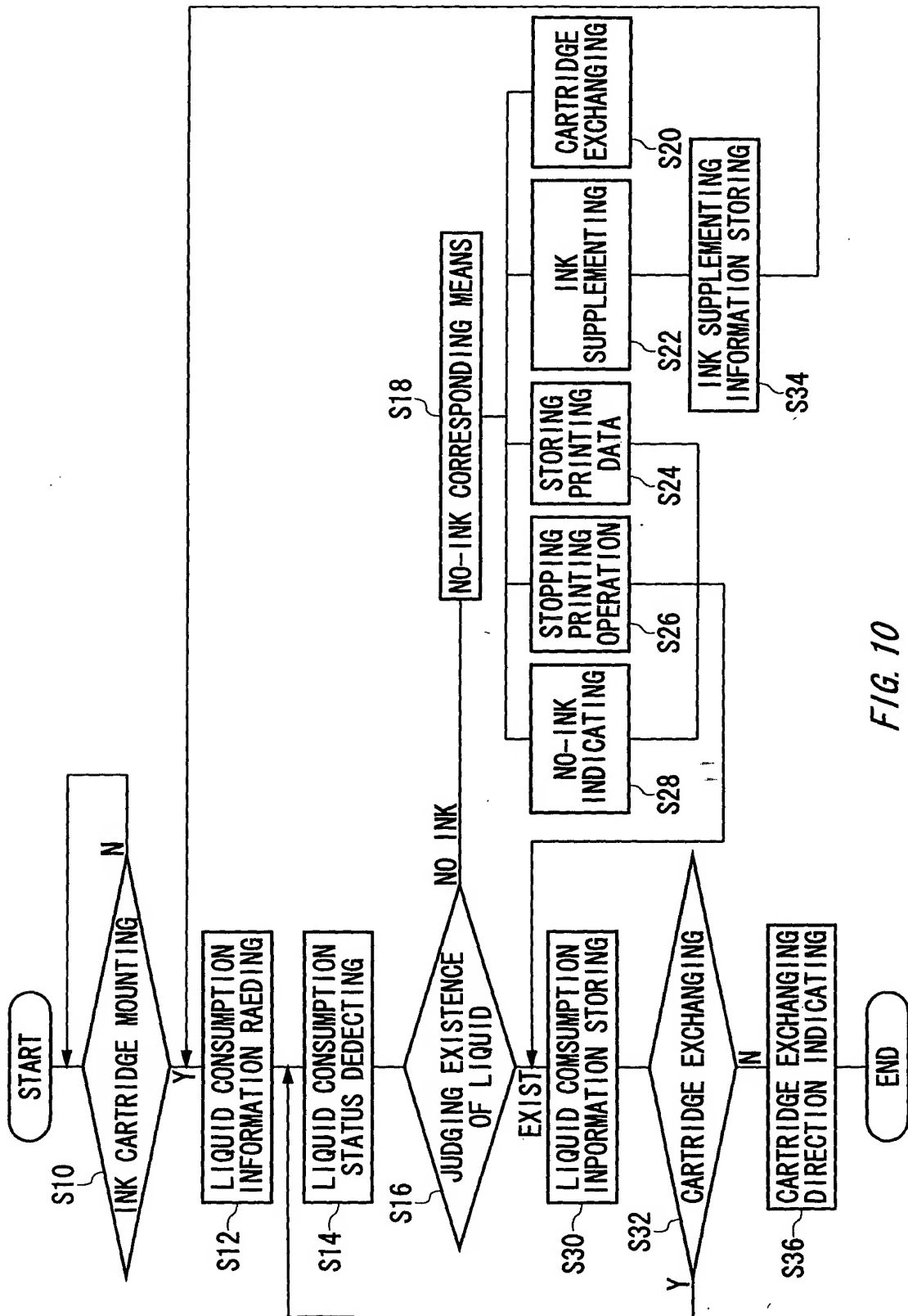


FIG. 10

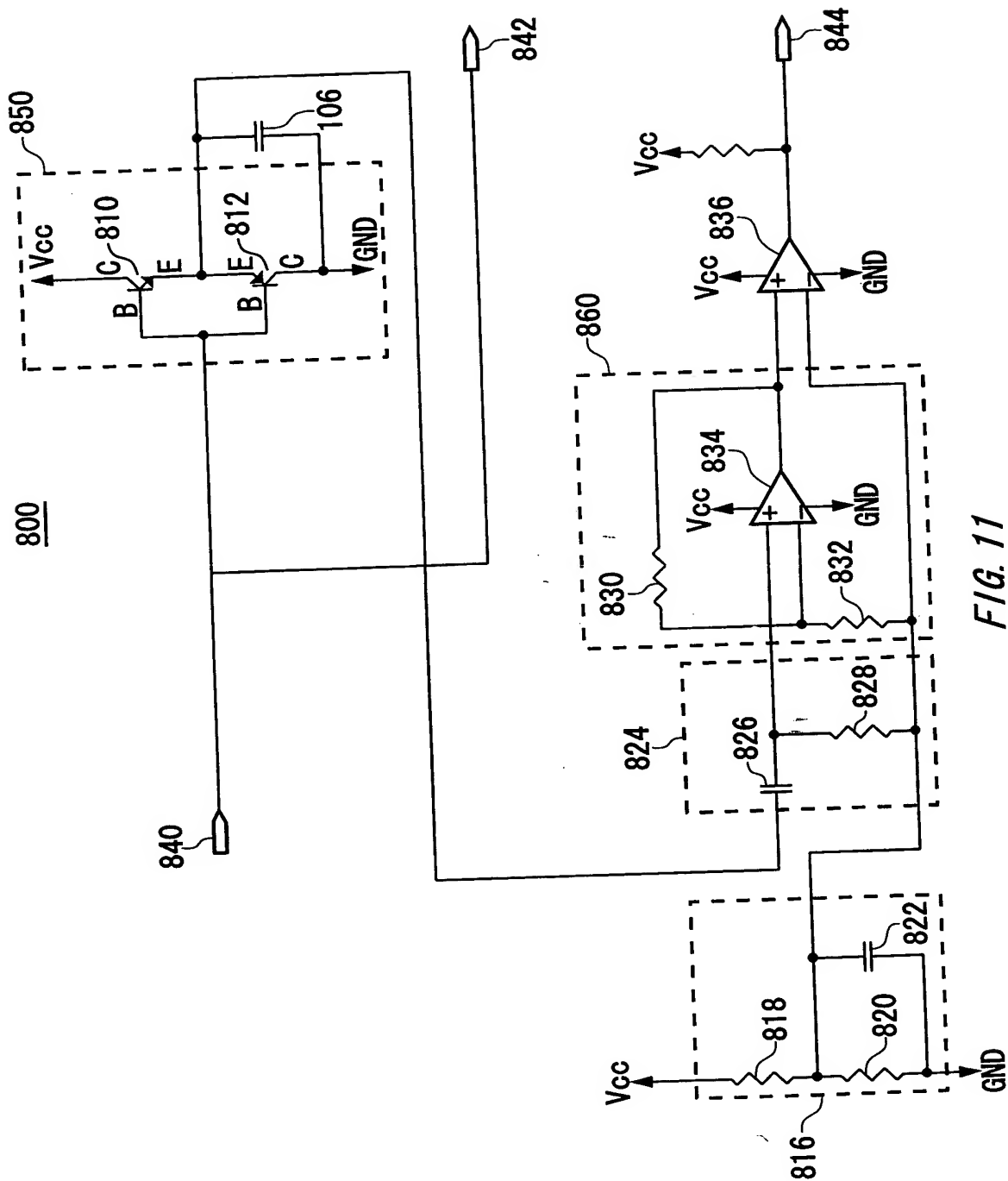


FIG. 11

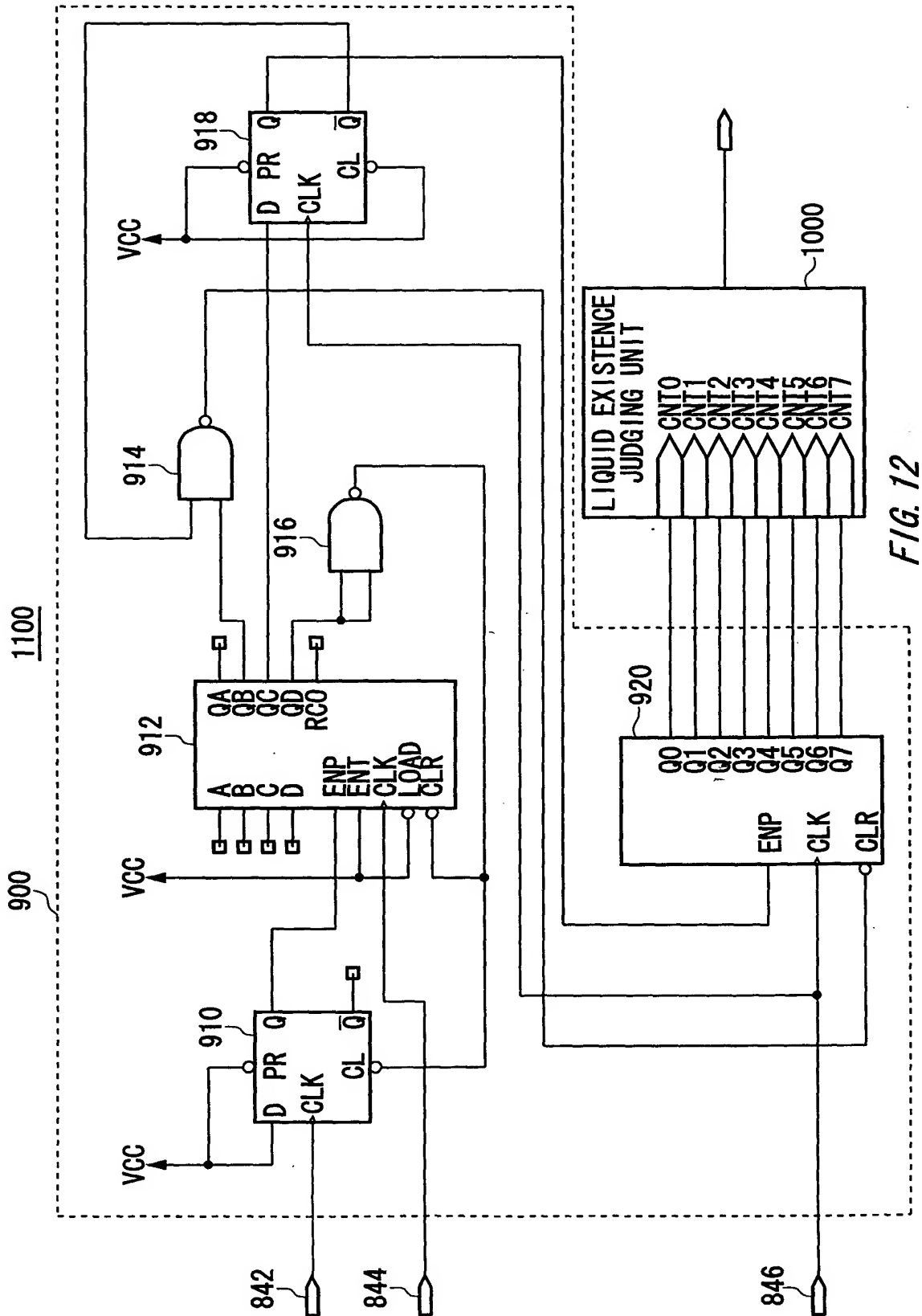


FIG. 12

1000

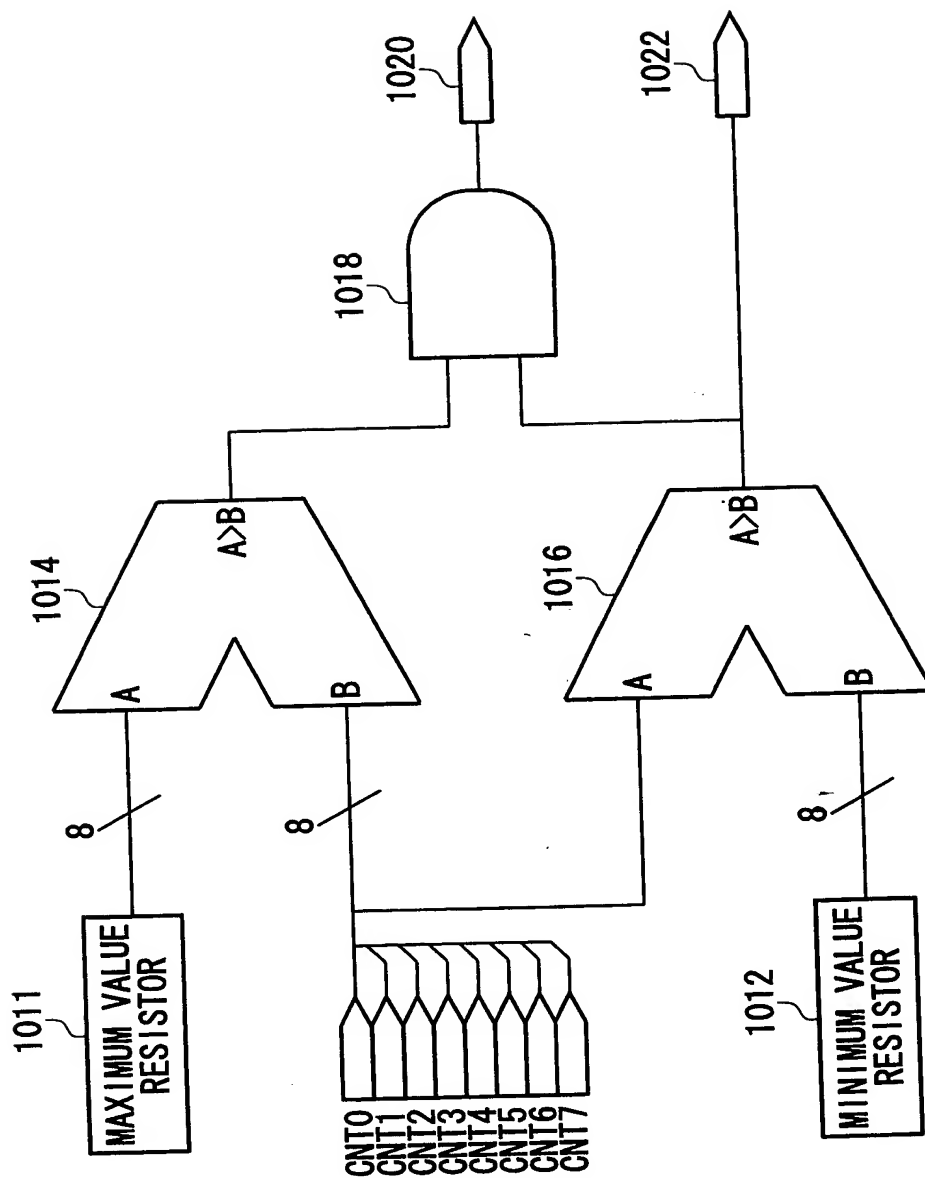


FIG. 13

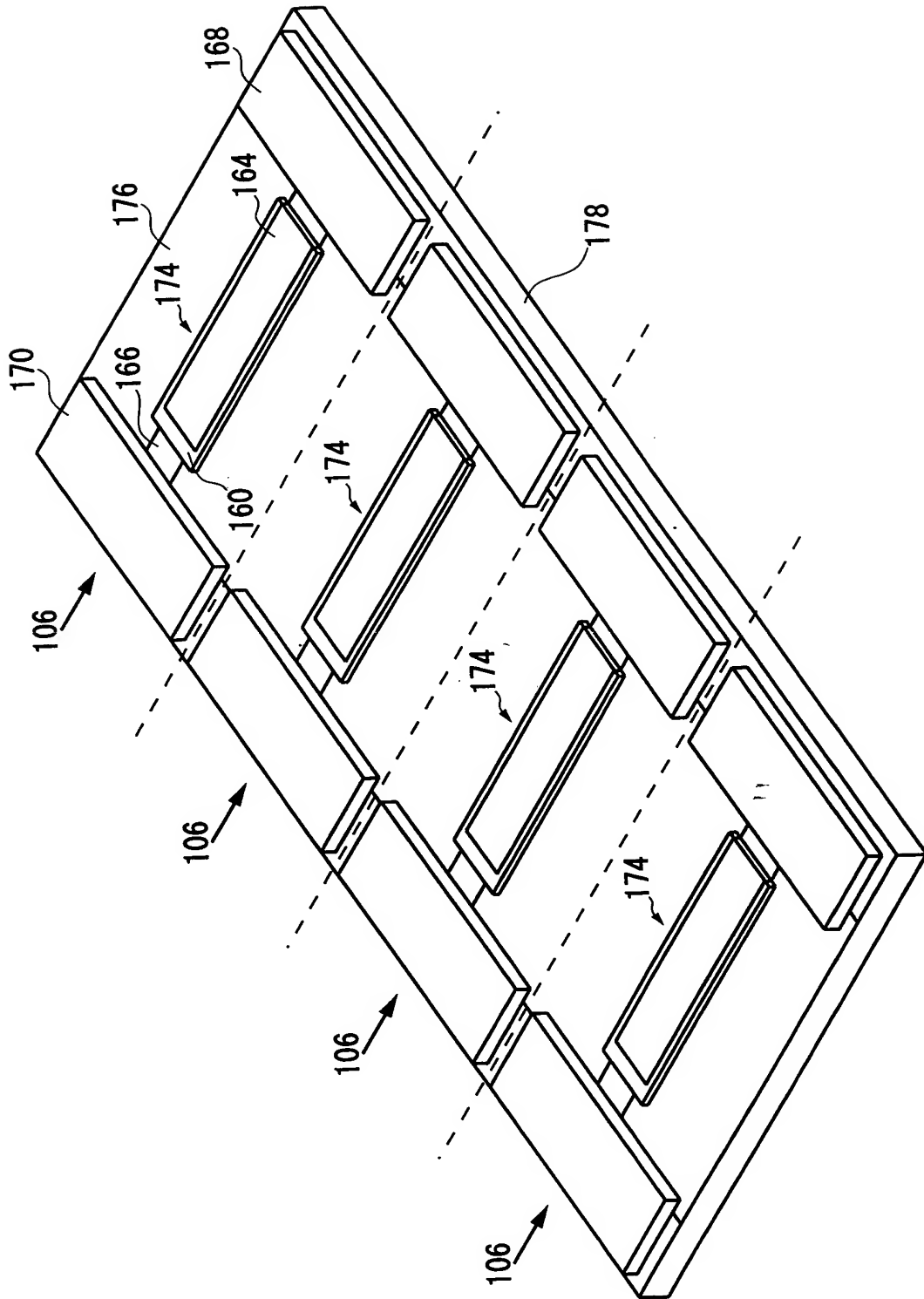


FIG. 14

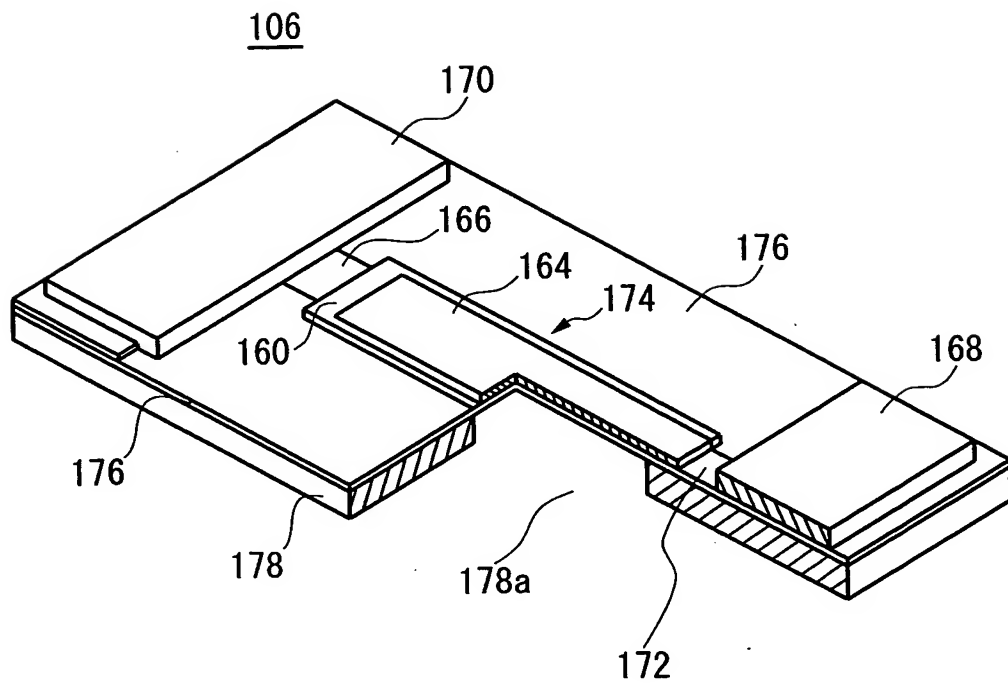


FIG. 15

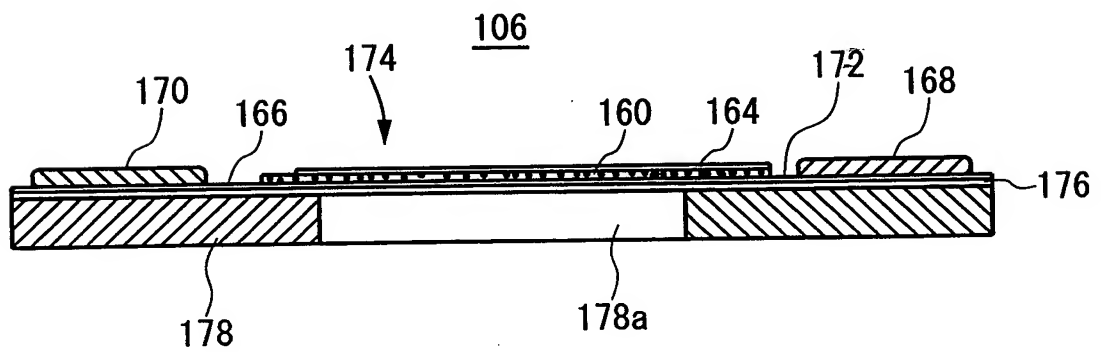
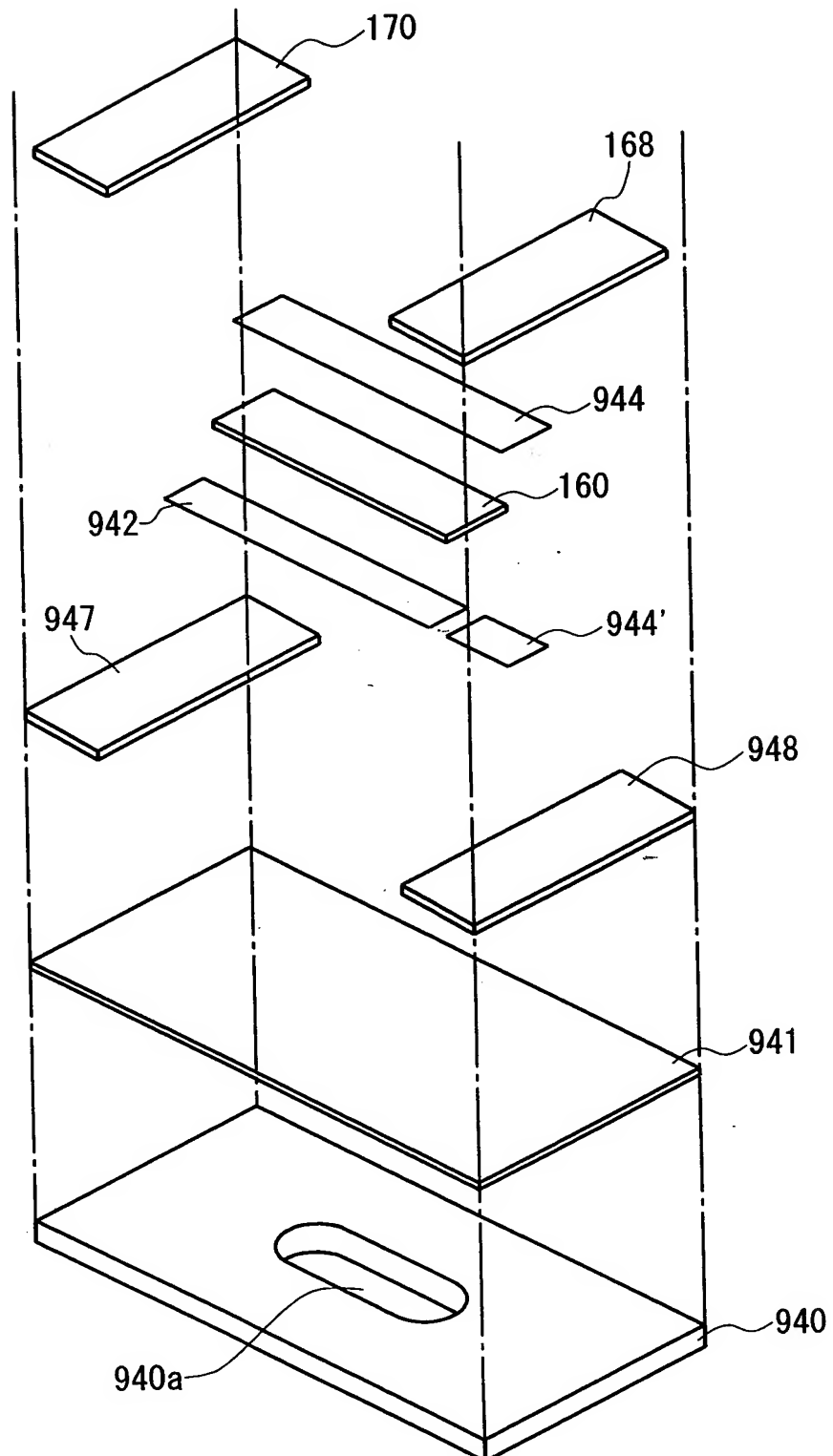


FIG. 16

**FIG. 17**

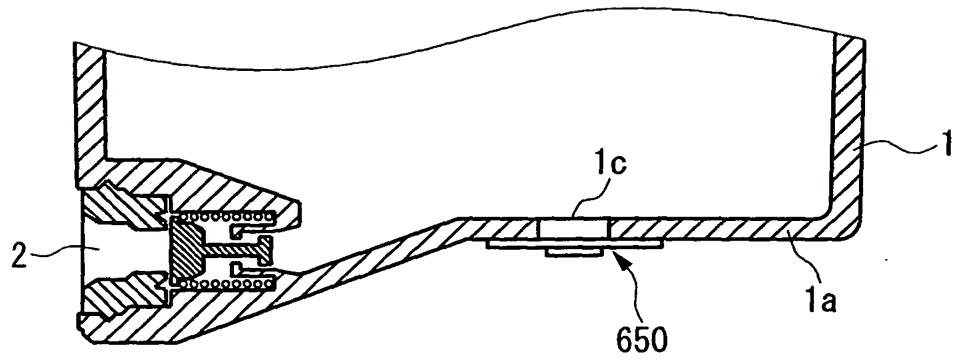


FIG. 18(A)

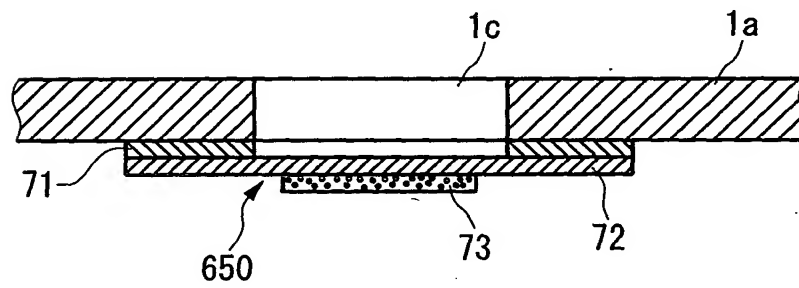


FIG. 18(B)

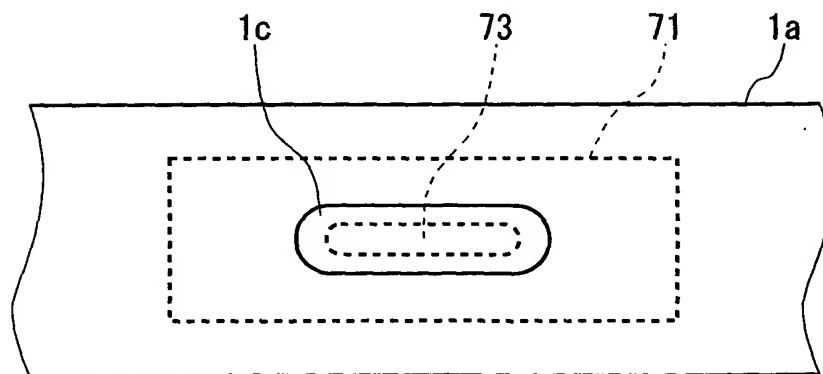


FIG. 18(C)

FIG. 19(A)

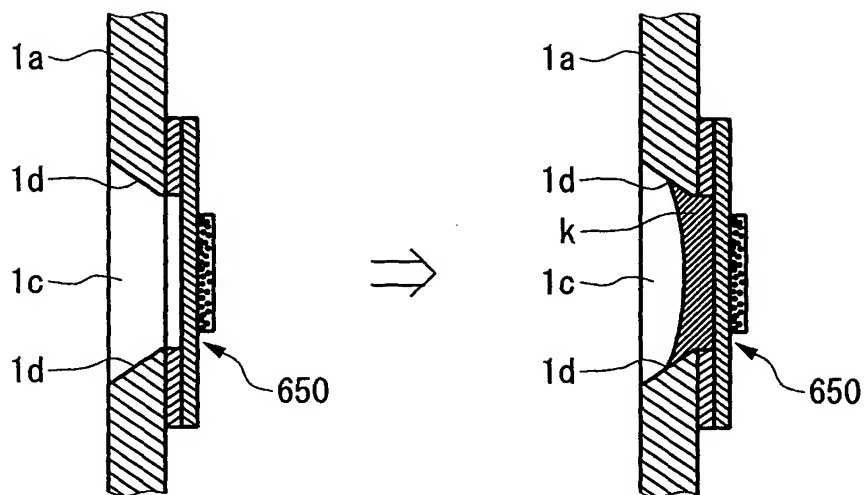


FIG. 19(B)

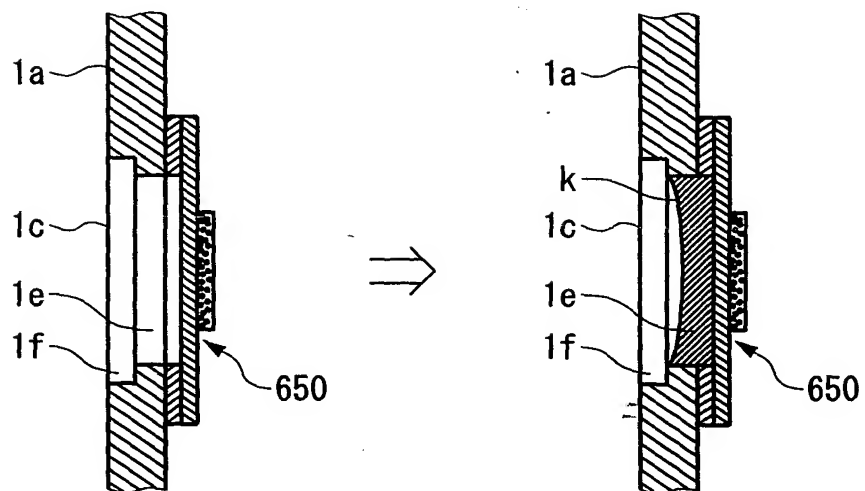
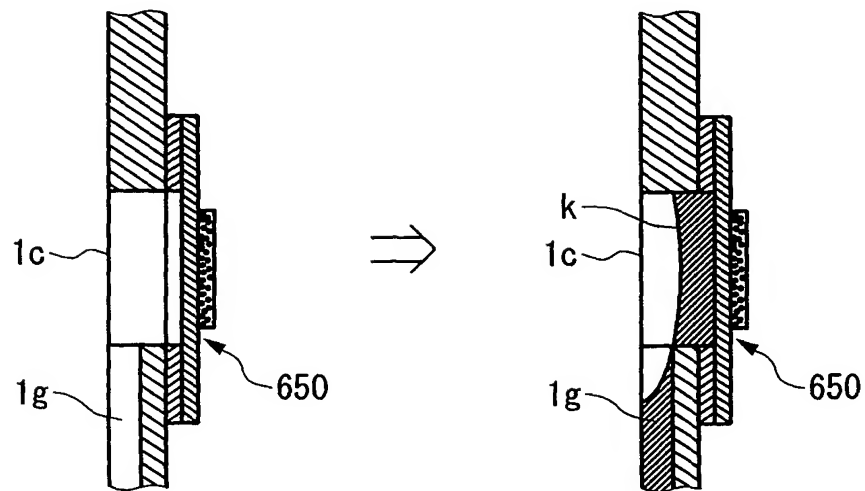


FIG. 19(C)



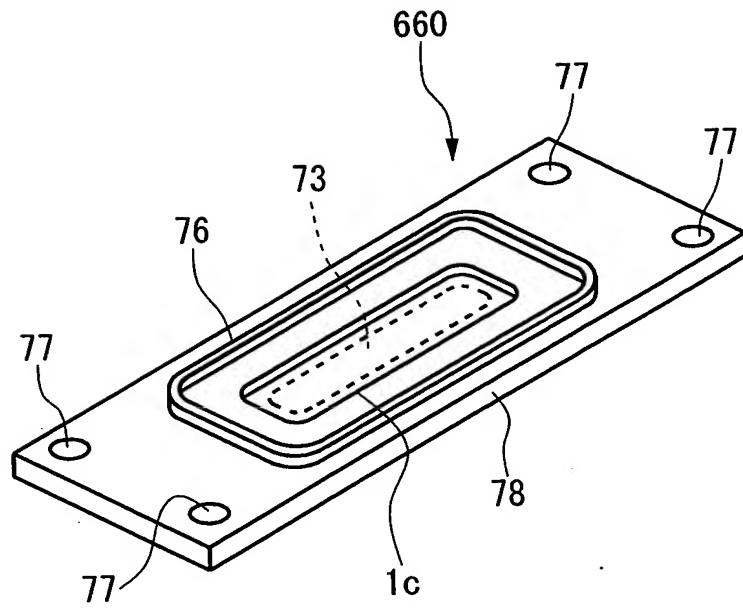


FIG. 20

670

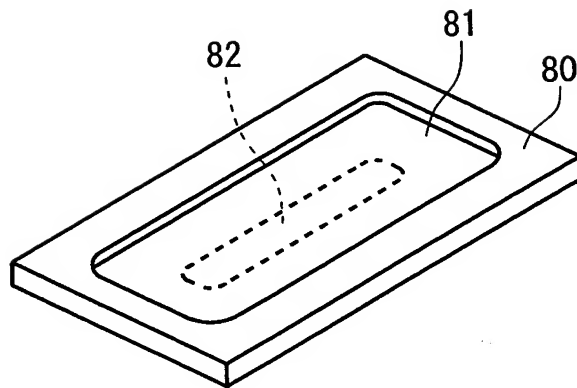


FIG. 21 (A)

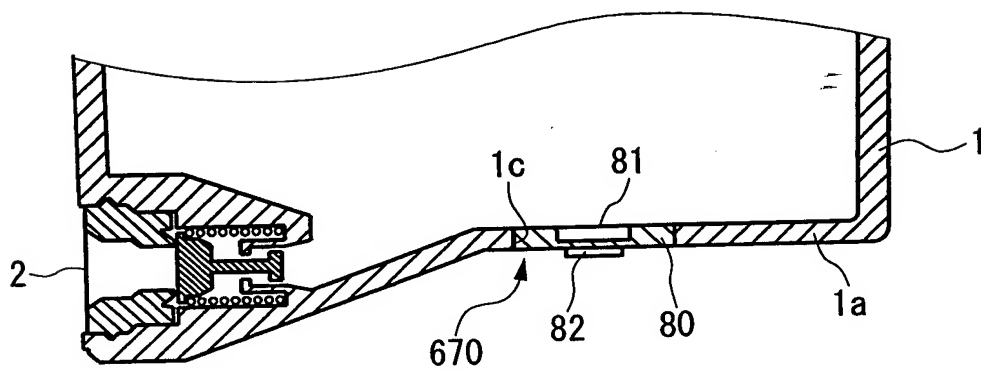


FIG. 21 (B)

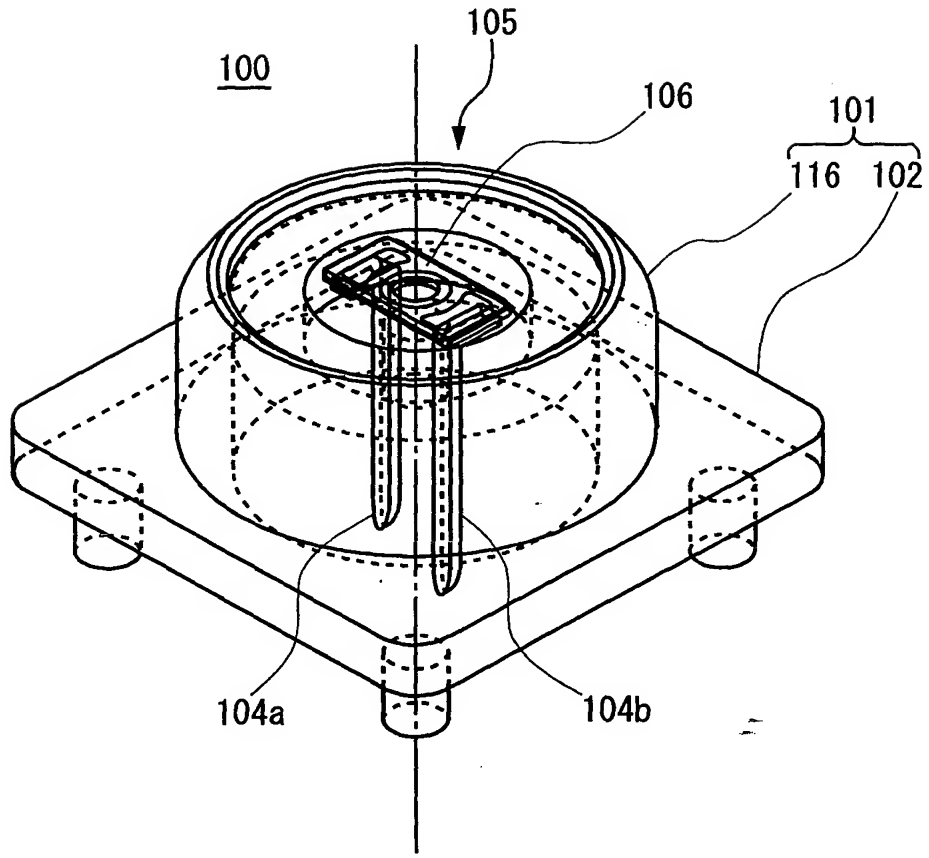


FIG. 22

22/35

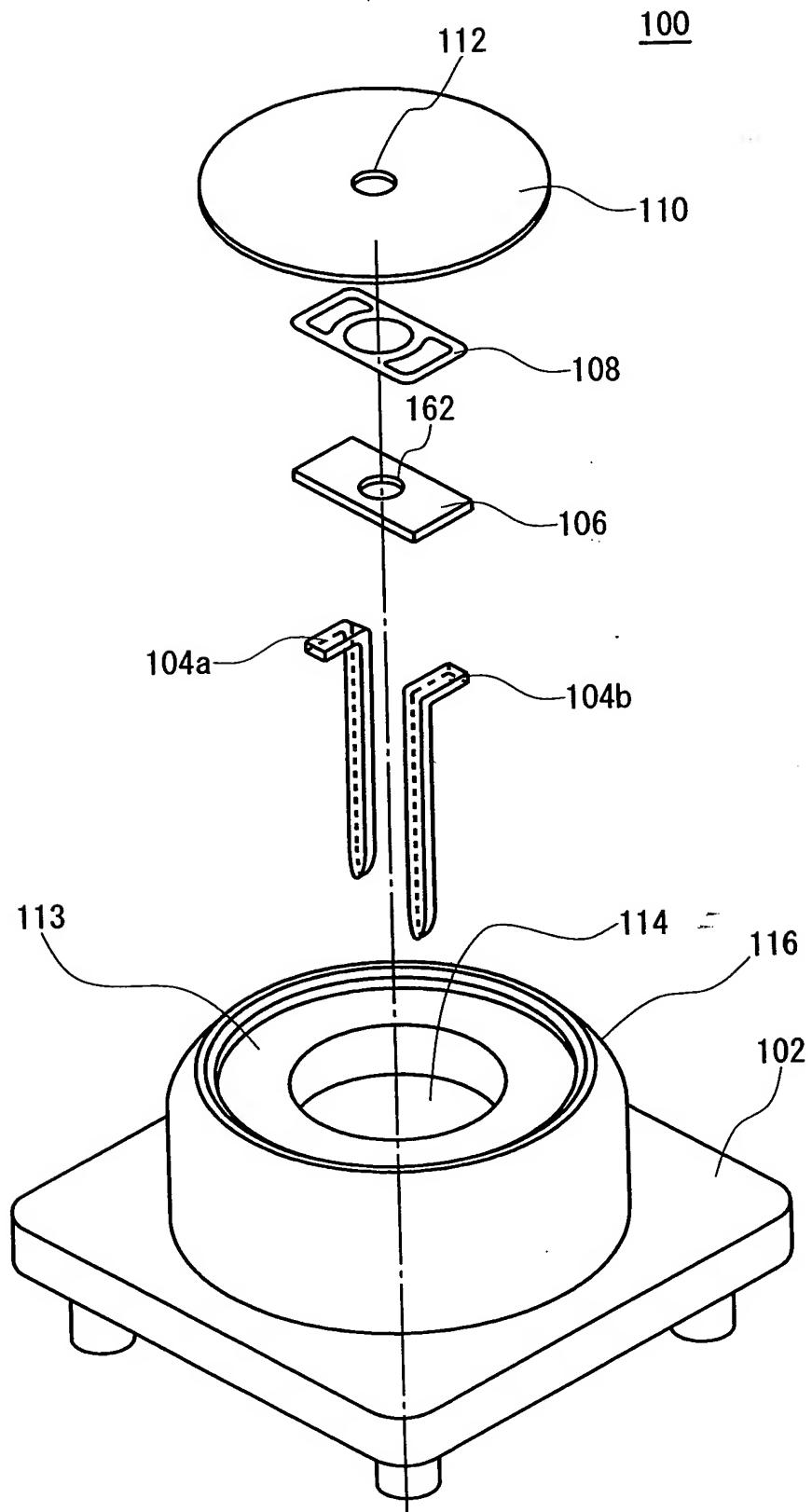


FIG. 23

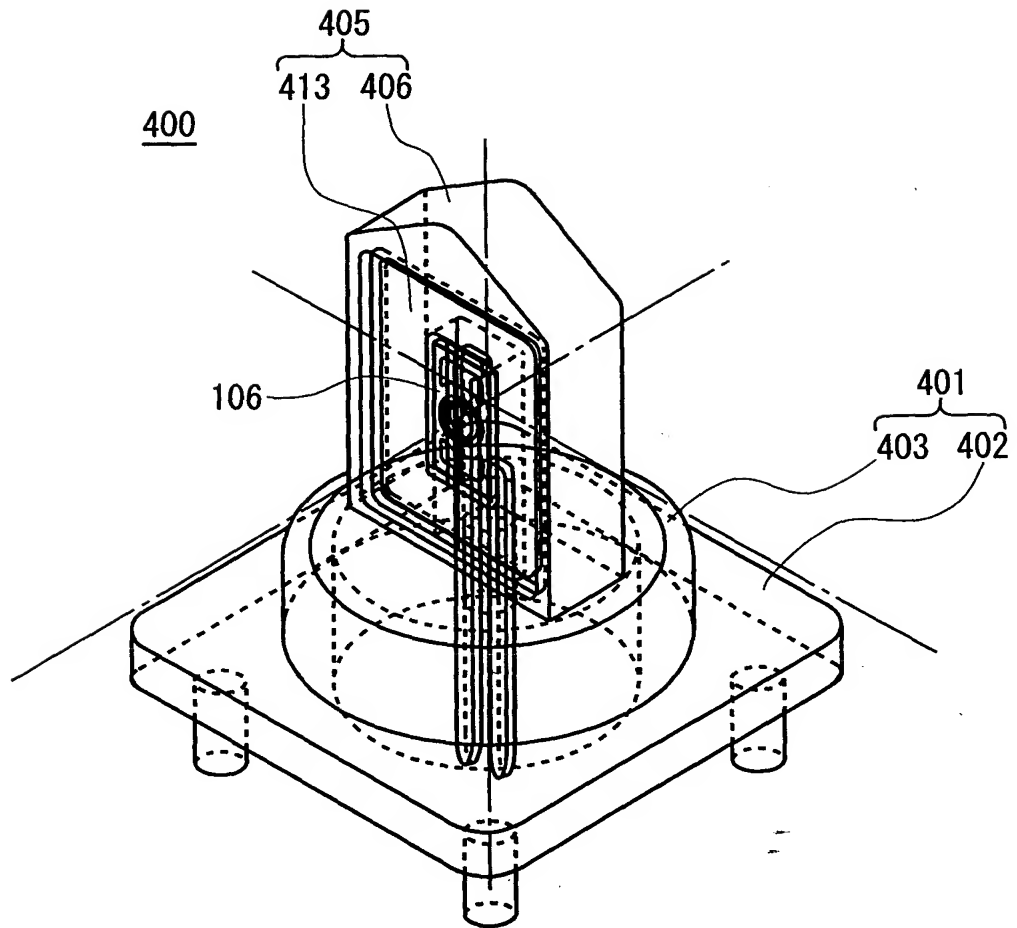


FIG. 24

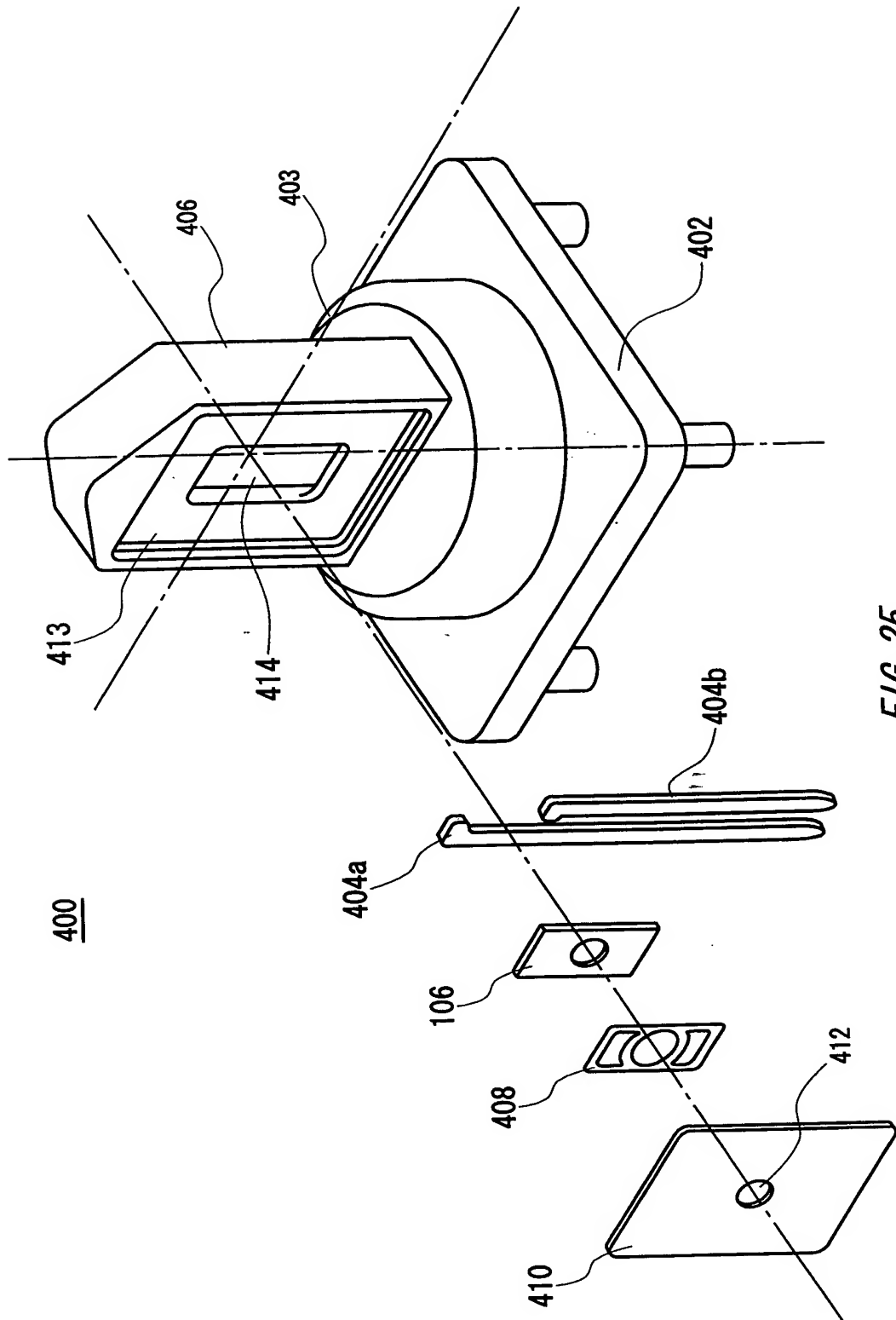
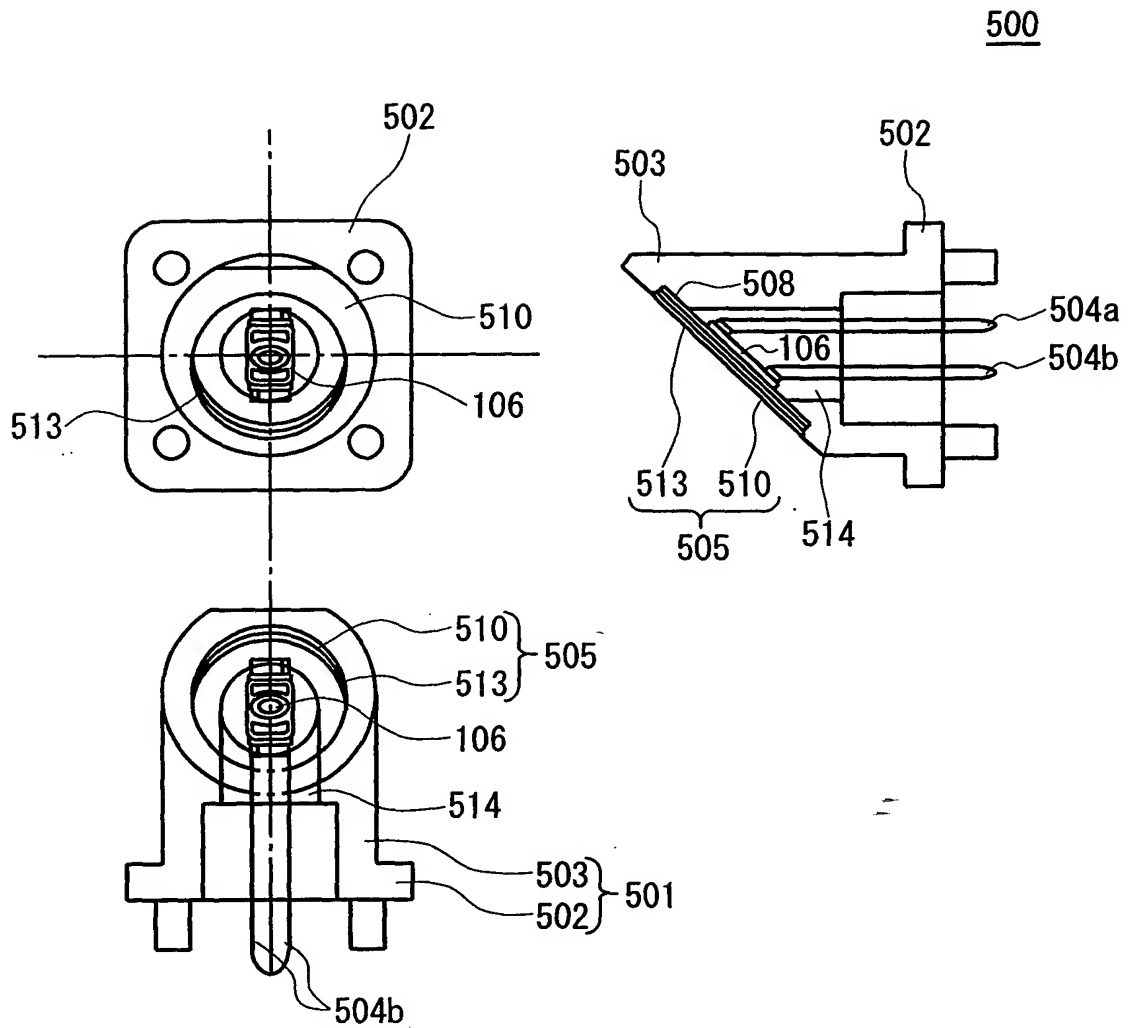


FIG. 25



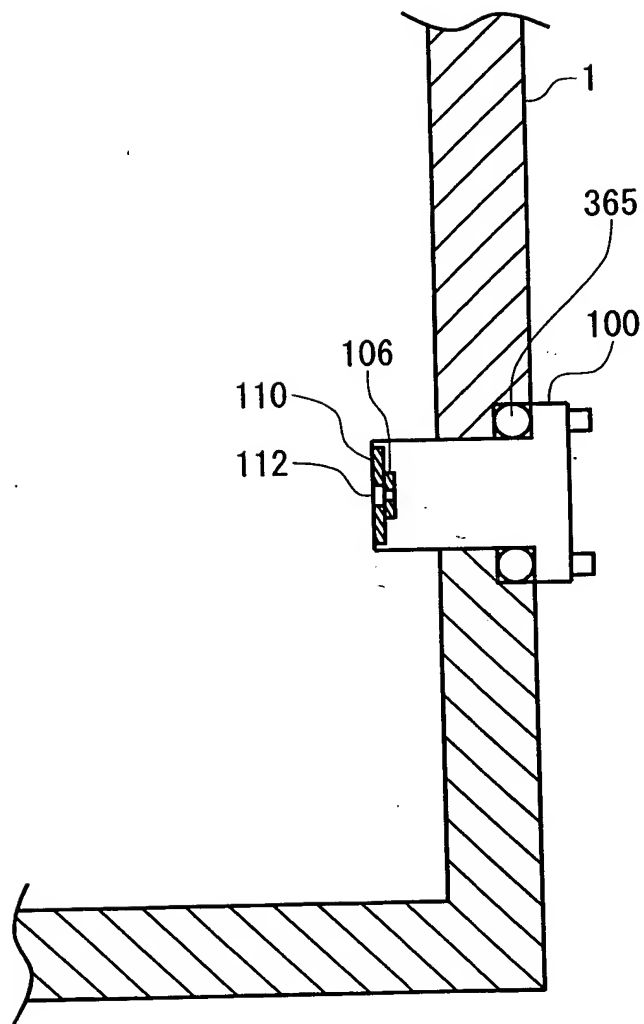


FIG. 27

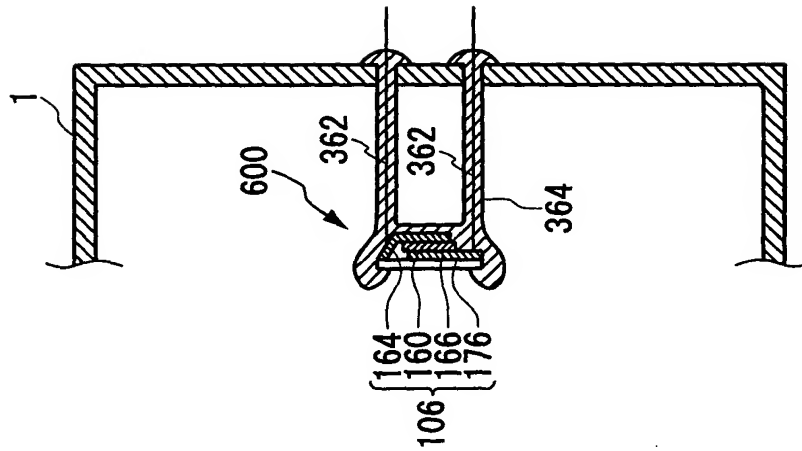


FIG. 28(A)

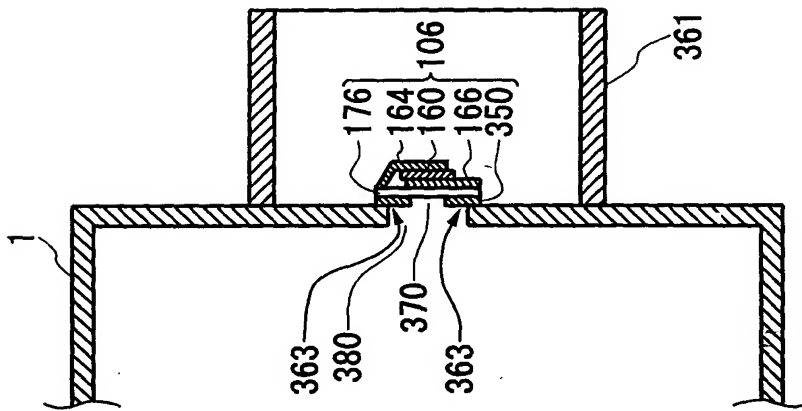


FIG. 28(B)

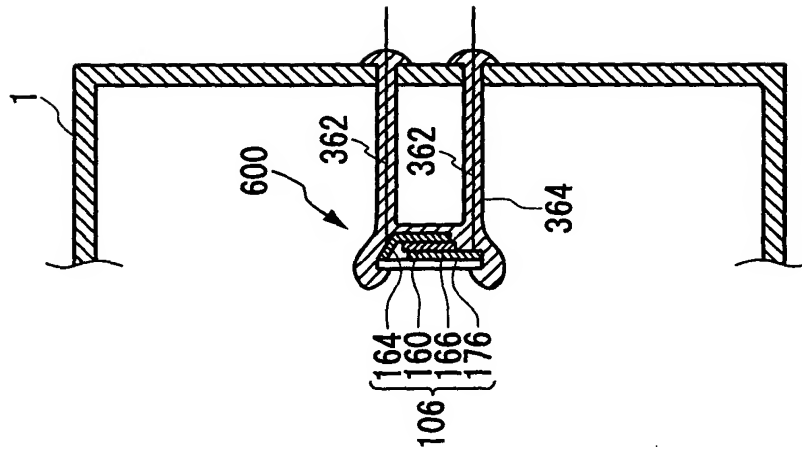


FIG. 28(C)

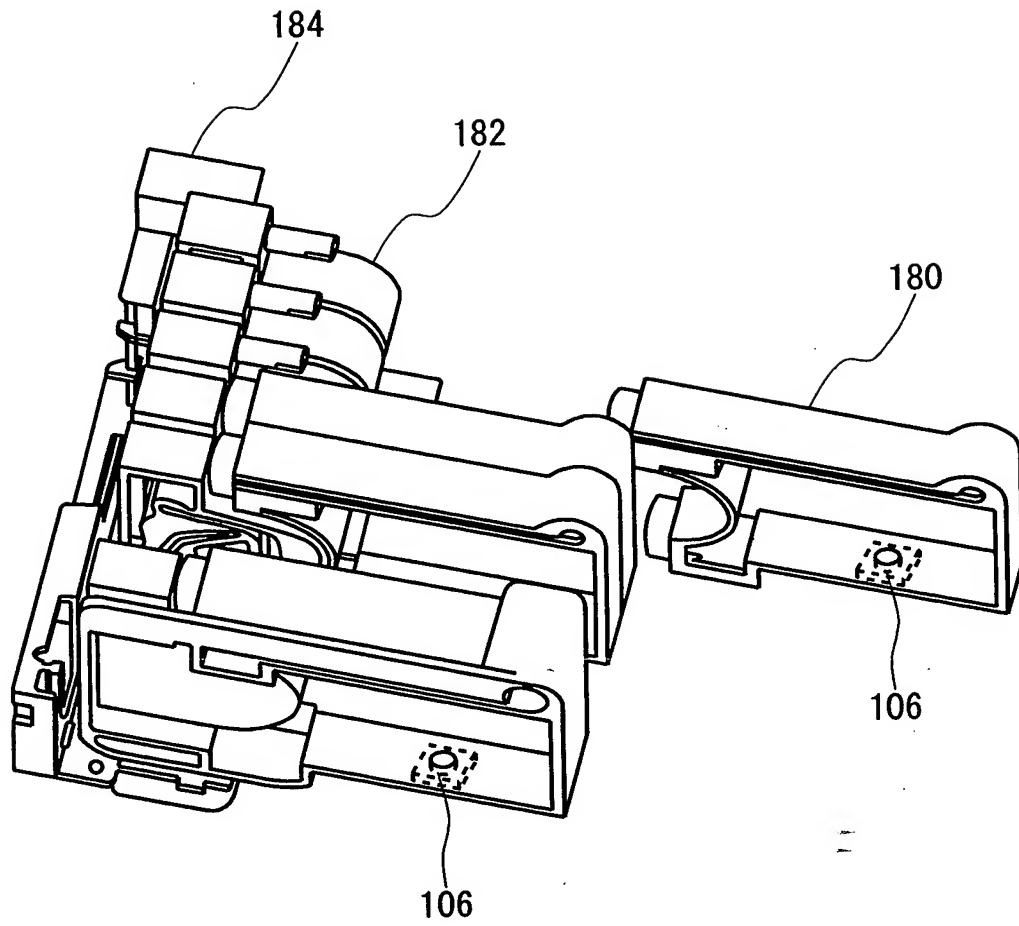


FIG. 29

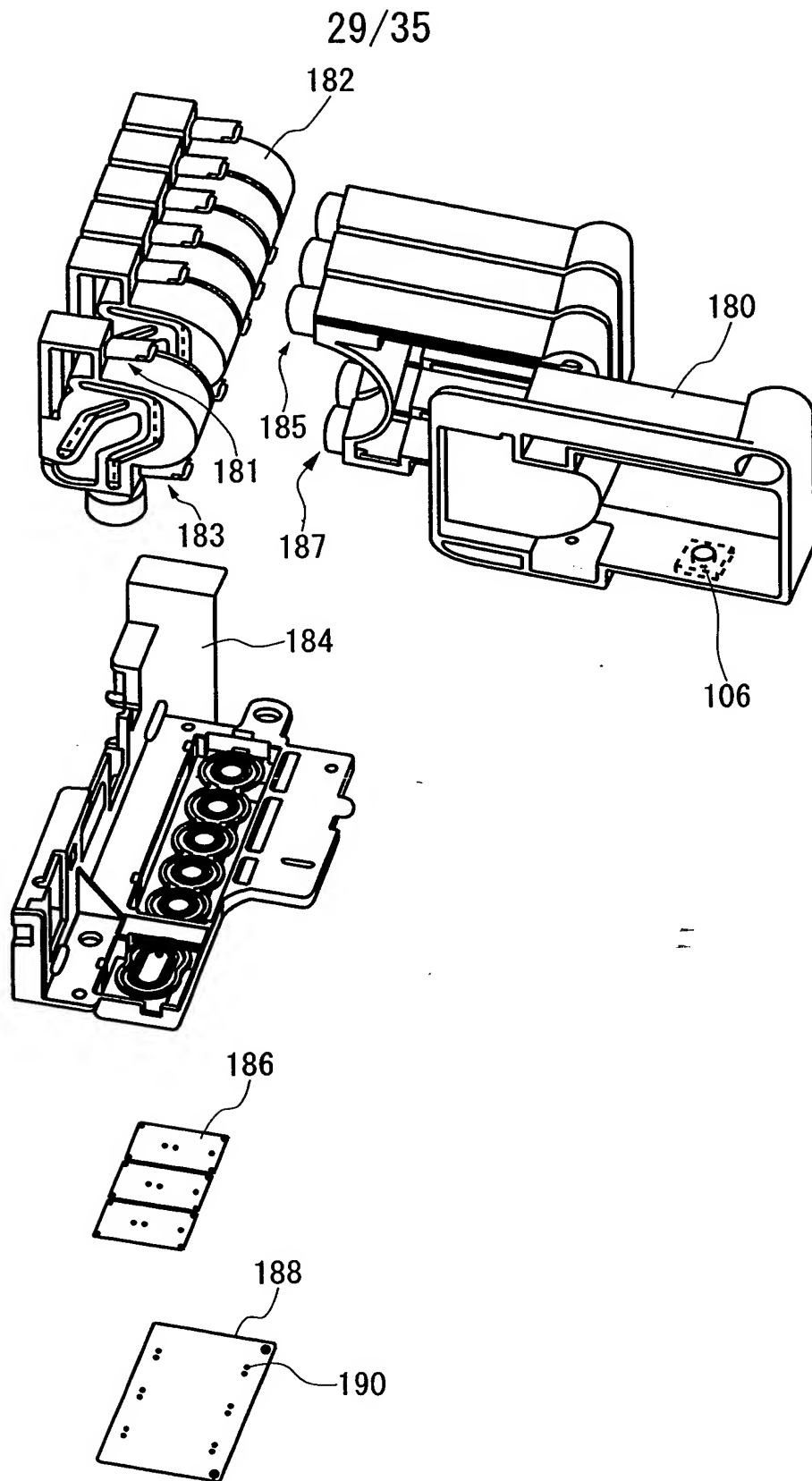


FIG. 30

30/35

180A

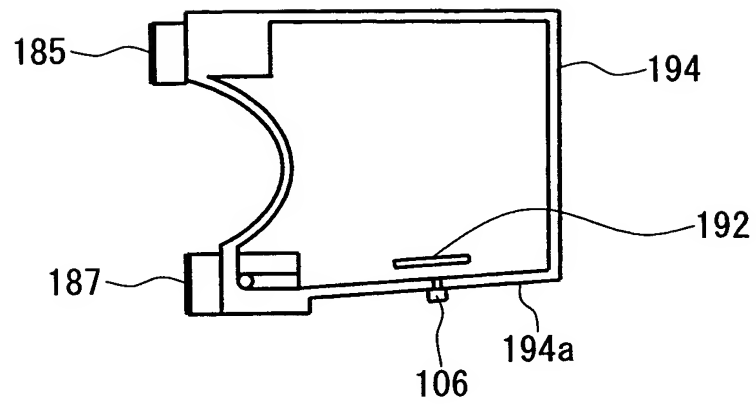


FIG. 31 (A)

180B

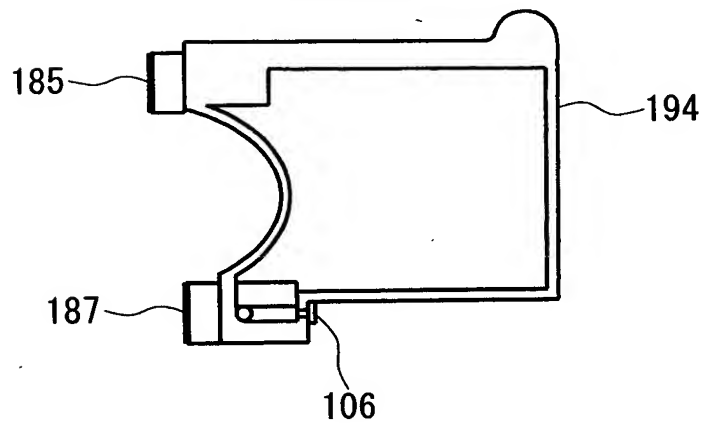


FIG. 31 (B)

31/35

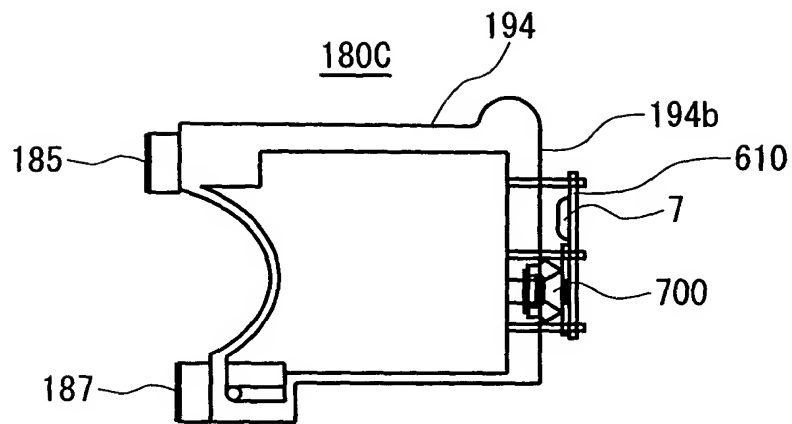


FIG. 32(A)

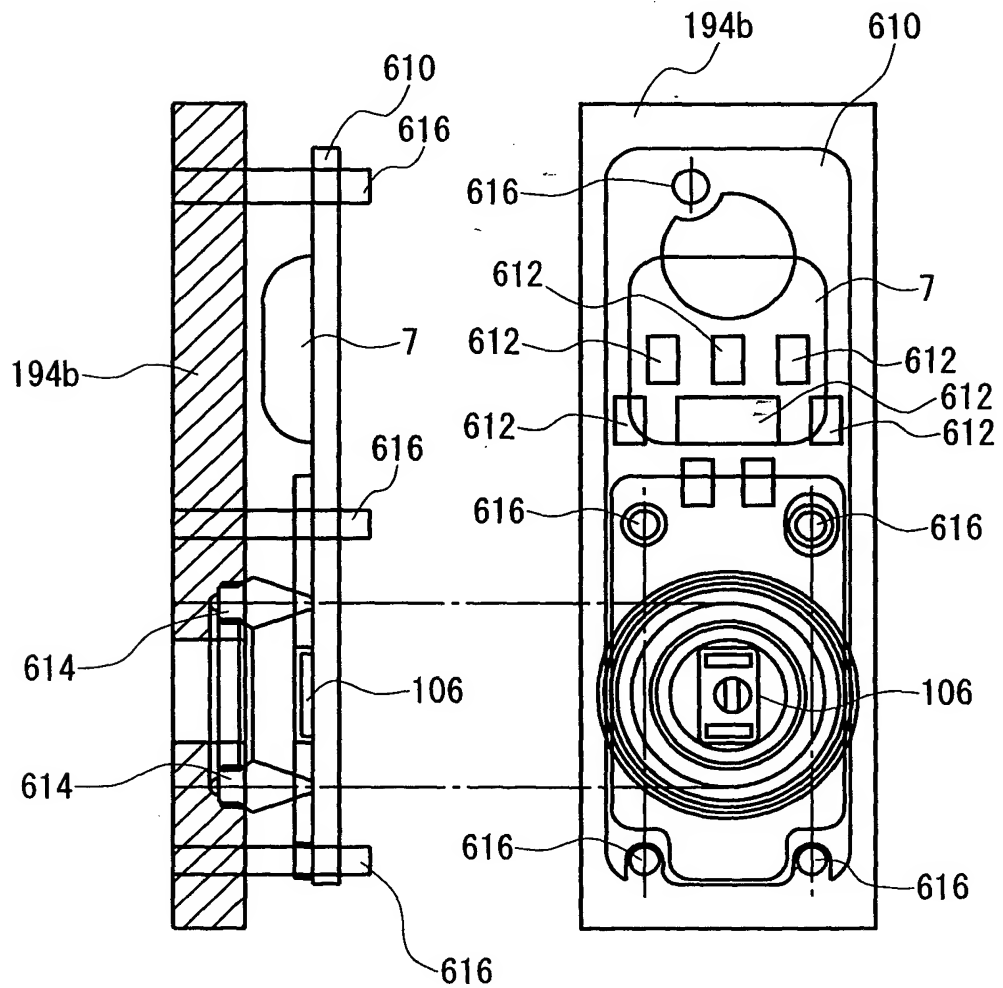


FIG. 32(B)

FIG. 32(C)

32/35

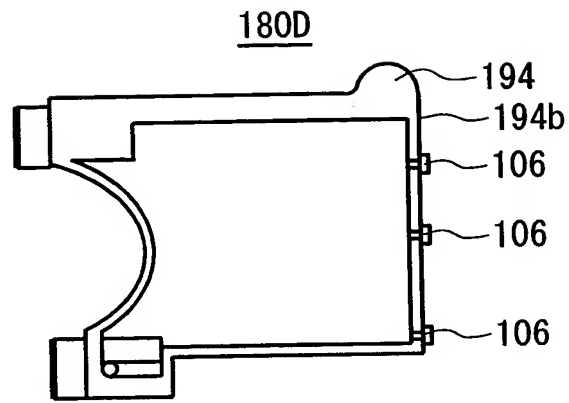


FIG. 33(A)

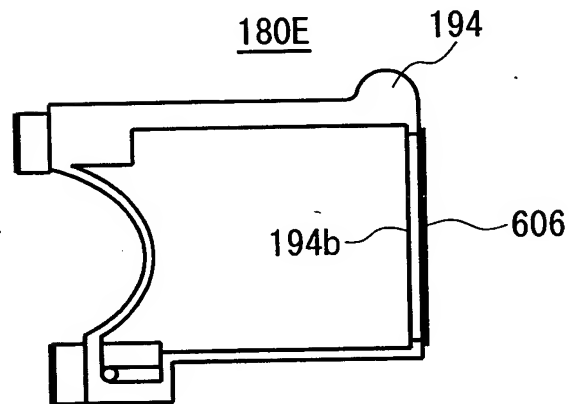


FIG. 33(B)

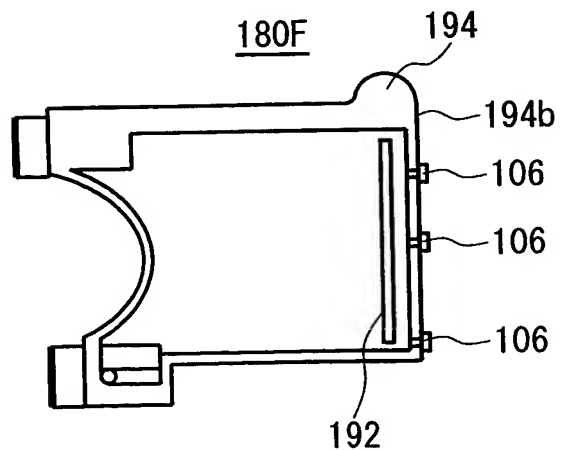


FIG. 33(C)

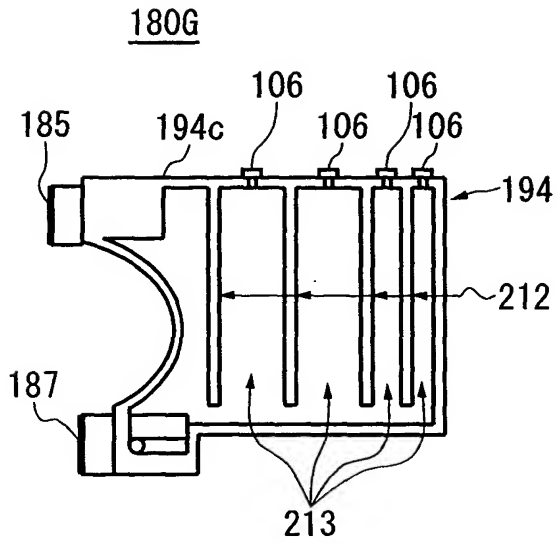


FIG. 34(A)

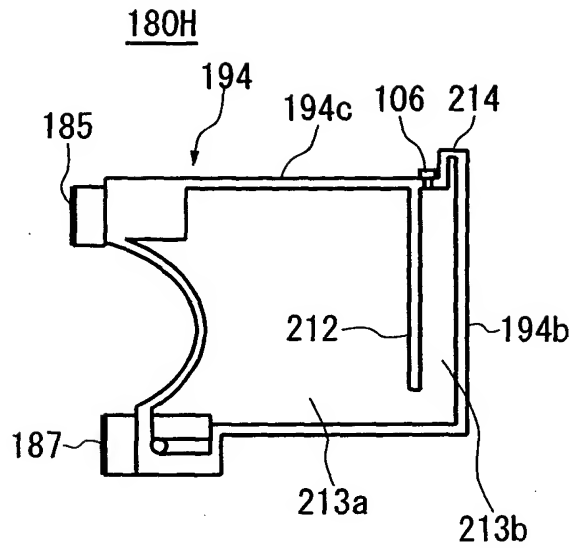


FIG. 34(B)

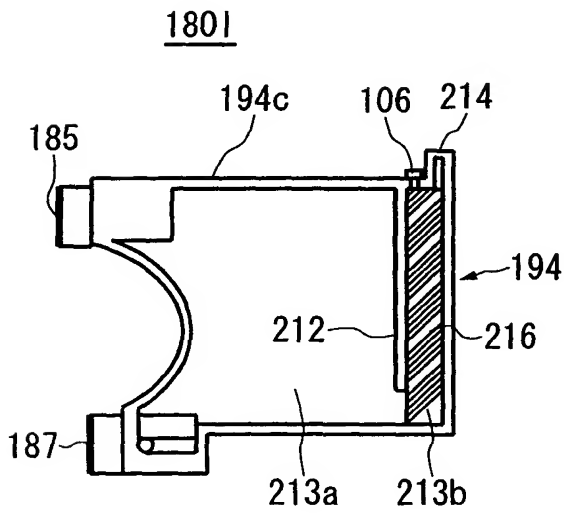


FIG. 34(C)

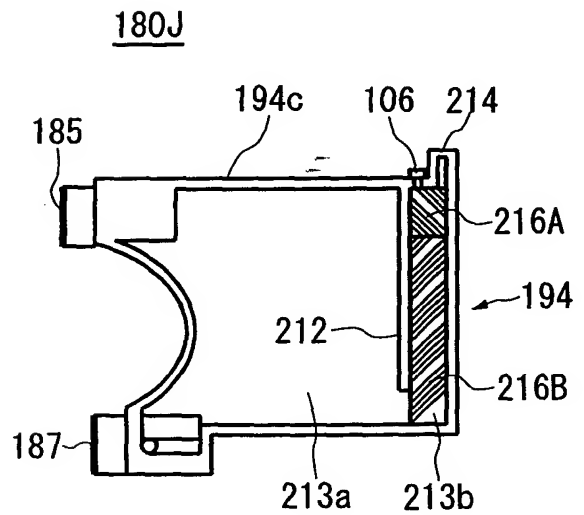


FIG. 34(D)

180K

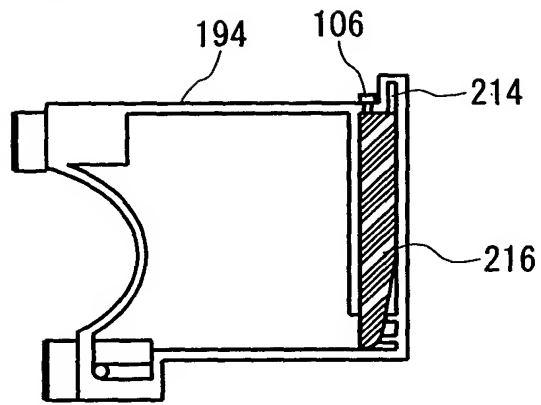


FIG. 35(A)

180L

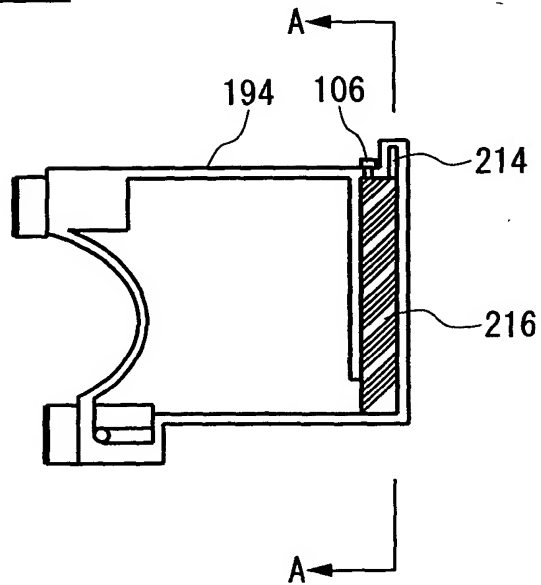


FIG. 35(B)

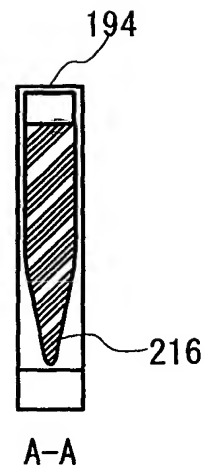


FIG. 35(C)

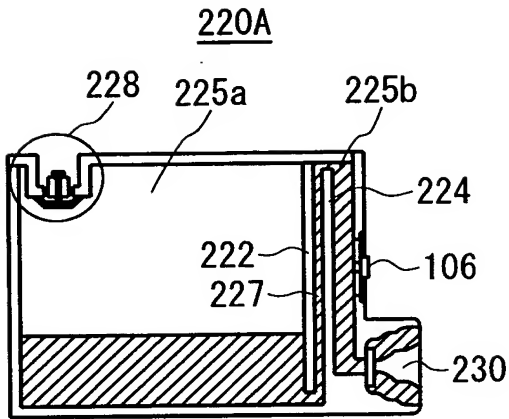


FIG. 36(A)

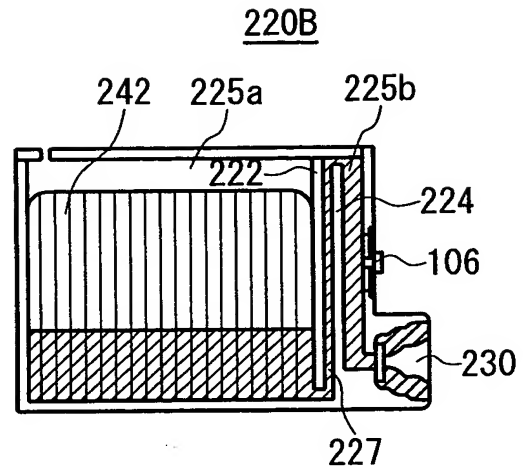


FIG. 36(B)

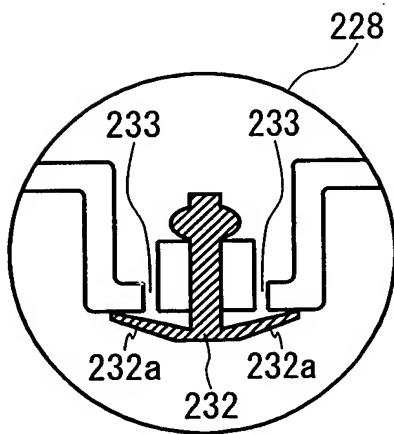


FIG. 36(C)

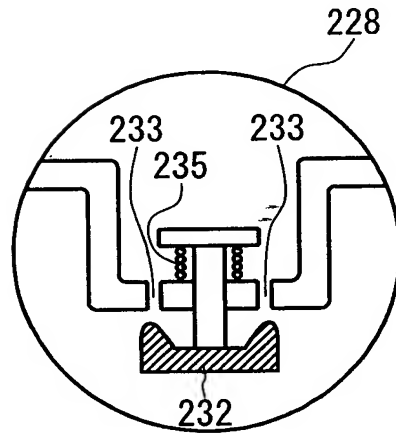


FIG. 36(D)